

ASSEMBLYMEMBER KEVIN McCARTY

Legislative Proposal Background Sheet

(Use the back of this form to provide additional information not directly relevant to the questions provided)

1. Briefly describe the problem your proposal tries to solve.
LED lighting has not been FDA vetted or approved, and has been shown to cause seizures, migraines, and eye injuries. Outdoor lighting that is not FDA approved emit hazardous visible radiation.

2. Briefly describe your proposal—how would it change current law?

Proposed Law: 1) All outdoor LED lighting must be FDA approved. 2) Outdoor lighting must have a Color Temperature of 2700K or less. 3) Outdoor lighting must be fully shielded. 4) Outdoor lighting must be turned off when not in direct or immediate use. 5) LED strobe lights are prohibited.

3. How does the proposal described in #2 fix the problem described in #1?

LED lighting and light pollution are a significant human health and ecosystem hazard. The proposed law protects citizens from the harms of LED visible radiation.

4. What statutory code, and which section(s) of the code, addresses the subject of your proposal?

Chapter 12 (commencing with Section 11900) to Part 1 of Division 3 of Title 2

5. Would your proposed change in law create a government cost? If so, how much would it be?

Cost benefits from reduced health care costs and improved productivity could be in the billions of dollars.

6. How would you pay for the additional state cost(s) created by your proposal?

This bill saves the state money.

7. Would your proposal save the state money? If so, how would it, and how much?

Yes. Likely billions of dollars.

8. Are there any reports or newspaper articles that discuss the problem you are trying to address? If yes, can you briefly describe such articles or reports (e.g.: dates of articles, titles of reports)?

Hundreds of research articles and news stories about the impacts of LED lighting and light pollution. See <http://www.softlights.org/resources/>

9. Who do you think would be supportive of your proposal, and who would oppose it? (Groups?)

The LED lighting industry would initially hate this proposal, but when they learn that they can sell millions of new, safe, non-LED light bulbs, they will be thrilled.

10. Have bills been introduced to deal with this issue in the past? If so, what was the outcome?

AB 2382 is similar, but does not address the hazards of LED devices.

(Use this space to provide additional information you may wish to provide)

The FDA has failed to comply with 21 U.S.C. 360ii and publish performance standards for LED products. Because of this failure, and the push by the DOE to install LED lighting, we now have a situation where the public is being seriously harmed by the visible radiation that is emitted by LED devices such as LED streetlights, LED General Service Lamps, LED vehicle headlights and LED strobe lights on emergency vehicles. Because the FDA has failed the public, the State must take action.

Light pollution is now a major driver of serious health risks such as cancer, diabetes, heart disease, mood disorders, and early mortality. The impact of artificial light at night on insects, plants, birds, fish, and other creatures is devastating. LED lighting has increased the rate of light pollution from 2% per year to 10% per year.

LED visible radiation is discriminatory, preventing citizens from entering grocery stores, walking on sidewalks, and using an ambulance. LED strobe lights such as on police vehicles impairs vision and reduces cognitive functioning. The use of LED lights creates discriminatory barriers that prevent equal access, in violation of 42 U.S.C. Chapter 126.

Because the FDA has not published the mandated performance standards for LED products and because LED visible radiation is so hazardous, the use of LED products creates major liability issues for cities and companies.

[Empty table rows for additional text or comments]

☆ FOR OFFICIAL USE ONLY ☆

Bill is requested by a: <input type="checkbox"/> Constituent <input type="checkbox"/> Group <input type="checkbox"/> Business	Bill is relevant to Committee assignments: <input type="checkbox"/> Yes <input type="checkbox"/> No
Assigned to: Choose an item.	Legislation is: <input type="checkbox"/> Appropriate <input type="checkbox"/> Feasible
Send to Leg. Council: <input type="checkbox"/> Yes <input type="checkbox"/> No	Send bill to: Choose an item. Committee